

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	05/05/2015 05/05/2015	Michael Pitta

LM Start		Rating **	A	Issue No.	1		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_MA0007_01_s _ 2013_1						
Action/Comments							
Inspector Comments: The O&M manuals are located at the Sutter Maintenance Yard.							

No Photos

LM Start		Rating **	A	Issue No.	3	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	
					°	
DWR ID	DWR_MA0007_01_s _ 2013_3					
Action/Comments						
Inspector Comments: Emergency supplies and equipment are stored at the Sutter Maintenance Yard.						

No Photos

LM Start		Rating **	A	Issue No.	4	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_MA0007_01_s _ 2013_4					
Action/Comments						
Inspector Comments: Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspector Bob Duffy.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River	Right	11.90	05/05/2015 05/05/2015	Michael Pitta

LM Start	0.01	Rating **	A	Issue No.	47
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.311097 °	39.335015 °
				-121.637638 °	-121.633808 °
DWR ID	DWR_MA0007_01_s_2015_47				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_MA0007_200_47_20150505_00017.jpg



The view of the vegetation was taken on the waterside facing upstream.

LM Start	0.43	Rating **	C	Issue No.	216
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.316451 °	39.316451 °
				-121.633837 °	-121.633837 °
DWR ID	DWR_MA0007_01_f_2013_216				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove tree between levee crown and ditch on landward side.					

No Photos

LM Start	0.48	Rating **	M	Issue No.	217
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.317050 °	39.317050 °
				-121.633331 °	-121.633331 °
DWR ID	DWR_MA0007_01_f_2013_217				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Rodents holes were observed but no rodents visible at time of inspection.					

Photo 1 of 2 : SP_2015_MA0007_200_217_20150401_00014.jpg



Up close photo of said rodent holes. Fall 2013.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Feather River	Right	11.90	05/05/2015 05/05/2015	Michael Pitta

LM Start	0.48	Rating **	M	Issue No.	217 (cont)	
LM End	0.48	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.317050 °	39.317050 °	
				-121.633331 °	-121.633331 °	
DWR ID	DWR_MA0007_01_f_2013_217					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodents holes were observed but no rodents visible at time of inspection.						

Photo 2 of 2 : SP_2015_MA0007_200_217_20150401_00015.jpg



This photo was taken from the crown of the levee facing north looking down the slope at rodent holes. Fall 2013.

LM Start	1.55	Rating **	M	Issue No.	2
LM End	1.71	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.332000 °	39.334240 °
				-121.633178 °	-121.633908 °
DWR ID	DWR_MA0007_01_f_2014_2				
Action/Comments					
Inspector Comments: 2011 - The toe of the levee has been excavated by the land owner. Small holes throughout the site have been filled with a plaster like substance. Large canal on landside slope and over the levee toe. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: FHR_47-5_R]					

No Photos

LM Start	1.70	Rating **	C	Issue No.	220
LM End	1.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.334157 °	39.334157 °
				-121.633964 °	-121.633964 °
DWR ID	DWR_MA0007_01_f_2013_220				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Blackberry bushes on the landward levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Feather River	Right	11.90	05/05/2015 05/05/2015	Michael Pitta

LM Start	1.77	Rating **	A/W	Issue No.	50
LM End	4.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.335016 °	39.366547 °
				-121.633807 °	-121.647511 °
DWR ID	DWR_MA0007_01_s _ 2015_50				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.77	Rating **	A/W	Issue No.	49
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.335016 °	39.351794 °
				-121.633808 °	-121.631249 °
DWR ID	DWR_MA0007_01_s _ 2015_49				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.52	Rating **	A/W	Issue No.	53
LM End	4.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.356435 °	39.366547 °
				-121.638184 °	-121.647511 °
DWR ID	DWR_MA0007_01_s _ 2015_53				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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LM Start	4.39	Rating **	M	Issue No.	8
LM End	4.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.366726 °	39.367606 °
				-121.647217 °	-121.647866 °
DWR ID	DWR_MA0007_01_f_2014_8				
Action/Comments					
Inspector Comments: 2012 - Oversteepened slope with failing rock (from repair completed in 1954). Likely slope stability issues. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: FHR_50-9_R]					

No Photos

LM Start	4.73	Rating **	M	Issue No.	54
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.371140 °	39.371140 °
				-121.649897 °	-121.649897 °
DWR ID	DWR_MA0007_01_s_2015_54				
Action/Comments					
Note and monitor erosion site.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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